|  | index of Claims |          |                            |           |               |          |          |          |          |               |                              |     |                            |           | Application No. 10/560, 245 Examiner |          |            |          |           |          |             |          | Applicant(s)  Art Unit |       |          |            |          |          |              |              |           |          |                |          |          |   |     |   |   |
|--|-----------------|----------|----------------------------|-----------|---------------|----------|----------|----------|----------|---------------|------------------------------|-----|----------------------------|-----------|--------------------------------------|----------|------------|----------|-----------|----------|-------------|----------|------------------------|-------|----------|------------|----------|----------|--------------|--------------|-----------|----------|----------------|----------|----------|---|-----|---|---|
| ile de la companya de |                 |          |                            |           |               |          |          |          |          |               |                              |     | E                          | xa        | mir                                  | ier      |            |          |           |          |             |          |                        | irt U | ni<br>   | t<br>      |          | ·        |              |              |           |          | <u> : </u>     |          |          |   |     |   |   |
|  |                 |          | 1                          | Rejected  |               |          |          |          |          | [-            |                              | (T  | Through numer<br>Cancelled |           |                                      |          | al)        |          | N         | N        | Non-l       |          | lec                    | ted   |          | A          | Appeal   |          |              |              |           | :        |                |          |          |   |     |   |   |
|  |                 |          |                            | = Allowed |               |          |          |          |          |               |                              |     | Restricted                 |           |                                      |          |            |          |           | 1        | Interferenc |          |                        | nce   | се       |            |          | Objected |              |              |           |          |                |          |          |   |     |   |   |
|  | Cli             | alm      | Date                       |           |               |          |          | e        |          |               |                              | 1   | CI                         | aim       | Γ                                    | -        |            |          | Date      | <br>B    |             |          | -                      | Cla   |          | alm        |          | Date     |              |              |           |          |                | 1        |          |   |     |   |   |
|  | Final           | Original |                            | ,         |               |          |          |          | :        |               |                              |     | Final `                    | Original  |                                      |          |            |          |           |          |             |          |                        |       | Final    | Original   |          |          |              |              |           |          |                |          |          |   | · . | • |   |
|  | -               | 0        | $\vdash$                   | _         | <u> </u>      | L        |          | ┞        | <u> </u> | -             | Н                            |     |                            | 51        |                                      | _        | <u> </u> _ | _        |           | Щ        |             |          |                        |       | <u> </u> | L          |          | _        | $\downarrow$ | _            | _         | _        | Щ              |          |          | 1 |     |   |   |
|  |                 | 2        |                            | 1         |               |          |          |          |          |               |                              |     |                            | 52        |                                      | Ė        |            |          |           |          |             |          | -                      |       |          | 101<br>102 | Н        | -        | $\dashv$     | -            |           |          | -              | -        |          | l | •   |   |   |
|  | <u> </u>        | 3        | $\vdash$                   |           | -             | _        |          |          | <u> </u> | _             |                              | i   |                            | 53<br>54  | lacksquare                           | _        | _          |          |           |          |             |          |                        |       |          | 103        | , ,      |          |              |              | $\Box$    | _        |                |          |          |   |     |   |   |
|  |                 | 5        |                            |           |               | _        |          |          |          |               |                              |     |                            | 55 :      | ┝╌                                   |          | $\vdash$   | -        | Н         | $\dashv$ | _           | Н        |                        |       |          | 104<br>105 |          |          | -+           | -            | -         |          |                |          | -        | · |     |   |   |
|  |                 | 7        |                            |           | $\overline{}$ |          |          | L        | _        |               |                              |     |                            | 56<br>57  |                                      |          |            |          |           |          |             |          |                        |       |          | 106        | П        |          |              |              | $\Box$    |          |                |          |          |   |     |   | ĺ |
| •  |                 | 8        |                            |           |               |          | _        |          | -        | -             |                              |     |                            | 58        | <u> </u>                             | -        | -          |          |           |          | $\dashv$    |          |                        |       |          | 107<br>108 | H        | $\dashv$ | -+           | $\dashv$     | $\dashv$  |          | $\dashv$       | -        |          |   |     |   | ļ |
|  |                 | 9        |                            |           | П             | -        |          |          |          |               |                              |     |                            | 59        |                                      | _        |            |          |           |          |             |          |                        |       |          | 109        |          |          | ゴ            |              |           |          |                |          |          | Į |     |   |   |
| •  |                 | 11       | Н                          |           | Н             | $\vdash$ | -        |          | -        | ┝             | $\left  \cdot \cdot \right $ |     | <del></del> -              | 60<br>61  |                                      |          | -          | -        | _         | $\dashv$ |             | $\dashv$ | $\dashv$               |       |          | 110<br>111 |          | $\dashv$ | $\dashv$     | -            |           |          | -              | H        |          |   |     |   |   |
|  |                 | 12       |                            |           |               |          |          |          |          |               |                              |     |                            | 62        |                                      |          |            |          |           |          |             |          |                        |       |          | 112        |          |          |              |              |           |          |                |          |          |   |     |   |   |
|  |                 | 13       | $\left  \cdot \right $     | _         | _             | -        | _        | -        | -        | ├             | $\vdash$                     |     |                            | 63<br>64  | <u> </u>                             |          | -          | Н        |           |          | $\dashv$    | $\dashv$ |                        |       |          | 113<br>114 |          | _        |              | _            | -         | $\Box$   |                |          |          |   |     |   |   |
|  |                 | 15       |                            |           |               |          |          |          |          |               |                              |     |                            | 65        |                                      |          |            |          |           |          |             |          |                        |       |          | 115        |          | ┨        | $\dashv$     | +            | $\dashv$  | $\dashv$ |                |          |          |   |     |   |   |
|  | -               | 16<br>17 | Н                          | _         | _             | H        | _        | ┞        | <u> </u> | _             |                              |     |                            | 66        | L.                                   |          | _          |          |           |          |             |          |                        |       |          | 116        |          |          | $\Box$       | $\Box$       | $\Box$    |          |                |          |          |   | •   |   |   |
|  |                 | 18       |                            |           | _             |          |          |          |          |               | H                            |     |                            | 68        | -                                    |          |            | -        |           | $\dashv$ | ᅱ           | $\neg$   | -                      | ;     | -        | 117<br>118 | $\vdash$ |          | +            | $\dashv$     | $\dashv$  | ᅱ        |                | -        | -        |   |     |   |   |
|  |                 | 19<br>20 |                            |           | T             |          |          |          |          |               | П                            |     |                            | 69        |                                      | П        |            |          |           |          |             |          |                        | *     |          | 119        |          |          | $\Box$       | 1            |           |          |                |          |          |   |     |   |   |
| ·  | <u> </u>        | 21       |                            |           | Н             | $\vdash$ |          | -        |          | -             | Н                            |     |                            | 70<br>71  | <u> </u>                             | Н        | -          |          | $\dashv$  | $\dashv$ |             |          | $\dashv$               | :     |          | 120<br>121 |          | _        |              | 4            | ᅴ         |          |                |          |          |   |     |   | ļ |
|  |                 | 22       |                            |           |               |          | _        |          |          |               |                              | į   |                            | 72        |                                      |          |            |          |           |          | コ           |          |                        |       |          | 122        |          |          | 土            |              |           |          |                |          | ÷        |   |     |   |   |
|  |                 | 23<br>24 |                            |           | $\dashv$      | Н        |          | -        |          | ļ             | H                            |     |                            | 73<br>74  |                                      | _        | _          | Н        | -         |          | $\dashv$    | -        |                        |       |          | 123        | $\sqcup$ | _        | -            | 4            |           |          | $\Box$         |          | -        |   |     |   |   |
|  |                 | 25       |                            |           |               |          |          |          |          | i             |                              |     |                            | 75        | _                                    | H        |            |          |           | $\dashv$ | $\dashv$    | $\dashv$ | ㅓ                      |       |          | 124<br>125 | 9        |          | +            | +            | $\dashv$  | -        | -              | -        | $\dashv$ |   |     |   |   |
|  | ļ               | 26<br>27 |                            | _         | _             |          |          |          |          |               |                              |     |                            | 76        |                                      |          |            |          |           | $\Box$   |             |          |                        |       |          | 126        |          | 口        |              |              |           |          |                |          |          |   |     |   |   |
|  | <u> </u>        | 28       |                            | ᅱ         | $\dashv$      |          | Н        |          |          | <del> -</del> | H                            |     |                            | 77<br>78  | -                                    | Н        |            | $\dashv$ | -         | -        |             | $\dashv$ | {                      |       | -        | 127<br>128 | $\vdash$ | $\dashv$ |              | 4            | $\dashv$  | -        | $\dashv$       |          | $\dashv$ |   |     |   |   |
|  |                 | 29       |                            |           | $\Box$        |          |          |          | _        |               |                              |     | •                          | 79        |                                      |          |            |          |           |          |             |          |                        |       |          | 129        |          | 7        |              | 1            |           | $\dashv$ | $\dashv$       |          | $\dashv$ |   |     |   |   |
| :  |                 | 30<br>31 | $\vdash$                   | $\dashv$  | -             | $\dashv$ | _        | H        |          |               | $\vdash \vdash$              | ļ   |                            | 80<br>81  |                                      | 4        | _          | _        | $\dashv$  |          | $\dashv$    | _        | _                      |       |          | 130        | $\Box$   | $\Box$   | $\dashv$     | $\Box$       | $\exists$ | $\Box$   |                |          |          |   |     |   |   |
|  |                 | 32       |                            |           |               |          | _        |          |          |               | Н                            | Ì   |                            | 82        |                                      | $\dashv$ |            | $\neg$   | ᅱ         | -        | ᅱ           | ᅱ        |                        |       |          | 131<br>132 | $\vdash$ |          | +            | +            | $\dashv$  | -        | <del>i  </del> | _        |          | ı |     |   |   |
|  |                 | 33       | $\Box$                     | _         |               |          |          |          |          | $\overline{}$ |                              |     | -                          | 83        |                                      |          |            |          |           |          |             |          | $\Box$                 |       |          | 133        |          |          |              |              |           |          |                |          | ⇉        |   |     |   |   |
|  |                 | 34<br>35 |                            | $\dashv$  |               |          | _        | H        |          |               | $\dashv$                     | -   |                            | 84<br>85  |                                      | -        | _          | -        | $\dashv$  | $\dashv$ | -           | $\dashv$ | $\dashv$               |       |          | 134<br>135 | $\dashv$ | -        | -            | 4            |           | -        | _              | _        | 닉        | ı |     |   | ļ |
|  |                 | 36       |                            |           |               |          | _        |          |          | _             |                              | Ì   |                            | 86        |                                      |          |            |          |           |          |             |          |                        |       |          | 136        |          | _        | -+           | 1            | +         | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$ |   |     |   | 1 |
| •  | <u> </u>        | 37<br>38 | $\stackrel{\cdot}{\dashv}$ | $\dashv$  | $\dashv$      |          |          | -        |          |               | $\dashv$                     |     |                            | 87<br>88  | $\Box$                               |          |            |          | $\exists$ | $\Box$   | _[          | $\Box$   | _                      |       |          | 137        | $\Box$   | $\Box$   | $\Box$       |              | I         |          | $\Box$         |          | $\Box$   |   |     |   | 1 |
|  | -               | 39       | $\dashv$                   | $\neg$    |               |          |          | -        |          |               |                              | ł   |                            | 89        | $\dashv$                             |          |            | $\dashv$ | ᅱ         | -        | $\dashv$    |          | $\dashv$               |       |          | 138<br>139 | $\vdash$ | $\dashv$ |              | -            | -         | $\dashv$ | $\dashv$       | $\dashv$ |          |   |     |   |   |
|  |                 | 40       |                            |           |               |          |          |          | _        |               |                              |     |                            | 90        |                                      |          |            |          |           |          |             |          | コ                      | i     |          | 140        |          |          |              | 7            | _         | ᅥ        | ᅥ              | -        | $\dashv$ | , | ٠.  |   |   |
| •  | $\vdash$        | 41       | -                          |           |               | Н        |          |          | -        |               | Н                            | -   | <u> </u>                   | 91<br>92  | $\dashv$                             |          | Щ          | _        | _         | _        | 1           | _        | _                      |       |          | 141        | $\Box$   | $\Box$   |              | $\Box$       | $\Box$    |          |                |          |          |   |     |   |   |
|  |                 | 43       | $\neg$                     |           | $\dashv$      | ٦        |          | Н        |          |               |                              | ŀ   |                            | 93        | _                                    |          | $\dashv$   | ᅱ        | $\dashv$  | ┥        | $\dashv$    | $\dashv$ | $\dashv$               |       |          | 142<br>143 |          | $\dashv$ |              | $\dashv$     | $\dashv$  | -        | -              | $\dashv$ |          |   |     |   | ı |
|  |                 | 44       | $\Box$                     | 口         | $\Box$        | $\Box$   |          |          |          |               |                              | ·   |                            | 94        |                                      |          |            |          |           | $\Box$   |             |          | ゴ                      | -     |          | 144        |          |          | 士            | 1            | 士         |          |                |          |          |   |     |   |   |
|  |                 | 45<br>46 |                            | -         | -             | $\dashv$ | -        |          | $\vdash$ | -             |                              | - } |                            | 95<br>96  |                                      | _        | $\dashv$   |          | $\dashv$  | 4        | _           | _        | _                      |       |          | 145        | $\dashv$ | 4        | $\perp$      | $\downarrow$ | $\Box$    | <b>コ</b> | $\Box$         |          |          |   | •   |   |   |
|  |                 | 47       | _                          |           | _             |          |          |          |          |               | $\dashv$                     | 1   |                            | .97       | -                                    | -        | $\dashv$   | $\dashv$ | $\dashv$  |          | $\dashv$    | -        | $\dashv$               |       |          | 146<br>147 | $\dashv$ | $\dashv$ | -+           | +            | -+        | $\dashv$ | -              |          |          |   |     |   |   |
| •  | $\Box$          | 48       | $\exists$                  | $\dashv$  | $\exists$     | $\Box$   | $\Box$   |          |          |               |                              | -   |                            | 98        | 耳                                    | 耳        |            | $\Box$   | 耳         | 1        |             | 二        |                        |       |          | 148        | 二        |          |              | $\exists$    | `         |          |                |          |          |   |     |   |   |
|  |                 | 49<br>50 | _                          | $\dashv$  | $\dashv$      | _        | $\dashv$ | $\vdash$ | -        |               | $\dashv$                     | -   |                            | 99<br>100 | $\dashv$                             | $\dashv$ | $\dashv$   | $\dashv$ |           | +        | +           | $\dashv$ | $\dashv$               |       |          | 149<br>150 |          | 4        | $\dashv$     | +            |           | {        | -              |          |          | • |     |   |   |